

Scope of Work for Statistical Technical Support – DRAFT 3-3-2017

Hunters Point Naval Shipyard Radiological

1. Get up to speed on site and issue history through reading background material and talking with RPM and other relevant staff
2. Attend biweekly conference calls led by the Navy and its contractors (1-2 hours each). Meet in person in Las Vegas or by phone with Navy contractor, EPA staff, and others as needed. Attend conference calls with EPA internal technical team and RPM as needed.
3. Review and provide written comments and recommendations regarding the Navy's evolving Radiological Data Evaluation Workplan ("Workplan") and related documents and presentations, including the following:
 - 3.1 Effectiveness of Statistical Tests During Phase 1 (2/16/2017)
 - 3.2 Response to Comments Draft Radiological Data Evaluation Plan Tech Memo (updated 2/24/2017)
 - 3.3 HPNS Draft Data Eval TM (1/26/2017) (Redline version of Workplan)
 - 3.4 North Pier Example (1/31/2017)
 - 3.5 Report on Statistical Analyses performed in Phase 1 (anticipated)
 - 3.6 Phase 2 decision criteria and workplan for further investigation and sampling (anticipated)
 - 3.7 Sampling and analysis plan (anticipated)
4. Evaluate Phase 1, the Navy's data gathering and statistical analysis
 - 4.1 Review the Navy Contractor's data sets to evaluate the decisions made in developing a final complete "clean" set.
 - 4.2 Perform statistical tests on a limited priority data set (e.g. Parcel G) as a basis for making recommendations to the Navy for statistical tests that it should perform on the entire data set.
 - 4.3 Provide direction to junior staff from other EPA contractor as needed to process data.
 - 4.4 Write a summary of results
5. Evaluate Phase 2, the Navy's focused investigation and sampling
 - 5.1 After the Navy provides concrete defensible statistical results (e.g., identification of locations with manipulated falsified results), provide recommendations for Phase 2 further investigation and sampling data gaps, characterization, risk assessment, etc.
 - 5.2 Evaluate results of sampling to give recommendations for further work.